

Description of Additional Supplementary Files

File Name: Supplementary Movie 1

Description: Cryo-EM density map of Pl-TcdA1/BSA-Lewis X. The map section corresponding to BSA-Lewis X is displayed at a lower binarization threshold. A surface representation of RBD D and the docked BSA-Lewis X molecules are shown.

File Name: Supplementary Movie 2

Description: Cryo-EM density map of Mm-TcdA4/heparin with the fitted atomic model.

File Name: Supplementary Movie 3

Description: Cryo-EM density map of Xn-XptA1/heparin with the fitted atomic model.